

Operating and non-operating wells in cabo rojo

Table 1. PRASA Monitoring Data for Cabo Rojo Wells Well	Dates of PRASA Results Available	Status of Well in 2011
Ana Maria	2002-2011	Operating
Cabo Rojo 1	2009-2011	Operating
Cabo Rojo 2	2009-2010	Operating
Cabo Rojo 3	2009-2011	Operating
Club de Leones	2006-2010	Operating
Hacienda la Margarita	2004-2010	Operating
McDougal	2001-2002	Operates as pumping station for surface water from Mayaguez
Terminal de Carros Públicos	2001-2002	Closed (manganese and iron made water unpalatable)*
Cabo Rojo 8	1998-2001	Closed (unknown reason)*
Weko 1	none	Closed (mercury contamination)*
Weko 2	none	Closed (mercury contamination)*
* Source of listed well closure information is personal communication with PRDOH and EPA during April 2011 site visit. ATSDR attempted to obtain official records of why the wells were closed from PRASA, but to date have not been provided the information.		

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	Concentration in parts per billion by volume (ppbv) and in micrograms per cubic meter (µg/m³)
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Table 2. Summary of Contaminants Detected and Air Comparison Values* (Vs) in Cabo Rojo Municipal Water Supply Wells

Contaminant	# of Wells With Any Detection Above a CV	Highest Concentration Detected in Any Well Sample, µg/L	Non-cancer CV in µg/L	Cancer CV in µg/L; Cancer Class	Selected for Further Evaluation
Trichloroethylene (PCE)	3	4.0	5 – MCL	0.06 – CREG; Probable carcinogen	Yes
VOC chloroethylene (TCE)	0	1.6	5 – MCL	6 – CREG; Probable carcinogen	No
1,2-Dichloroethene (cis-1,2-DCE)	0	6.8	20 – RMEG	N/A**	No
trans-1,2-Dichloroethene (trans-DCE)	0	0.6	100 – MCL	N/A**	No
1,1-Dichloroethene (1,1-DCE)	0	1.2	7 – MCL	N/A**	No
vinyl Chloride (VC)	1	1.3	2 – MCL	0.02 – CREG; Known carcinogen	Yes
benzenes	0	1.6	2,000 – EMEG	N/A**	No

*Please see Appendix A for definitions and additional information about CVs. CV = comparison value µg/L = micrograms of contaminant per liter of water. MCL = maximum contaminant level. EMEG = environmental media evaluation guide. RMEG = reference media evaluation guide. CREG = cancer risk evaluation guide. Data sources: as summarized in "Data Used" section beginning on page 6. Data included results from wells no longer operating. **N/A = insufficient evidence to classify contaminant as oral human carcinogen. † Contaminants exceeding the lowest CV were selected for further evaluation.

Contaminant	Potential Source #1 (4 Samples)	Potential Source #2 (3 Samples)	Head Start Adjoining Potential Source #2 (1 Sample)
PCE	4,870–64,700 ppbv 33,450–444,000 µg/m	103–980 ppbv 707–6,730 µg/m³	4,970 ppbv 34,133 µg/m³
TCE	23–113	ND*–	83 ppbv

	ppbv 125–615 $\mu\text{g}/\text{m}^3$	190 ppbv ND*– 1,034 $\mu\text{g}/\text{m}^3$	452 $\mu\text{g}/\text{m}^3$
DCE	Not Detected (ND)* ND*	ND* – 1,700 ppbv ND*– 6,825 $\mu\text{g}/\text{m}^3$	50 ppbv 201 $\mu\text{g}/\text{m}^3$

*Not Detected (ND) = less than 10 ppbv (less than 54 $\mu\text{g}/\text{m}^3$ for TCE and less than 40 $\mu\text{g}/\text{m}^3$ for DCE) NOTE: Results from other indoor sub-slab locations were not detected for PCE, TCE, and DCE.

